Metrologic®
We really work for you.™

# MS1633 FocusBT®

**FocusBT® is the hand-held area imager that surpasses all wireless 2D scanners by combining Bluetooth® connectivity with aggressive FirstFlash® scan performance.**

Perfect for solving retail and supply-chain management applications, this omnidirectional scanner combines the freedom of Bluetooth V1.2 mobility with many qualities already found in the popular Focus MS1690.

Regardless of orientation, FocusBT's FirstFlash technology decodes all standard bar codes in a single flash, including 1D, 2D, GSI DataBar™, PDF417, microPDF, EAN/UCC Composite, Matrix and Postal Codes.

FocusBT features Metrologic's patented CodeGate® and RangeGate® technology. CodeGate technology zeros in on the required code and then completes data transmission with the push of a button.

With RangeGate, FocusBT scans and stores hundreds of bar codes when outside host system communication range. When the connection is re-established, the stored scans are automatically downloaded to the host.

For image-capture applications, FocusBT combines a high-resolution CMOS sensor with a powerful processor which enables a wide array of outputs.

In addition to automatic infrared object detection, FocusBT comes equipped with several power-save modes, a USB Bluetooth dongle and two rechargeable lithium-ion batteries. Each battery provides 12 hours of scanning or approximately 9,000 scans per charge.

**www.metrologic.com/MS1633**

| Features | Benefits |
|---|---|
| • FirstFlash | Increases productivity by scanning nearly every standard bar code on first LED flash |
| • Omnidirectional scanning | Eliminates need to orientate imager to bar code |
| • Removable Li-ion battery pack | Easily remove and replace battery packs without using tools |
| • USB Bluetooth dongle | Cable-free dongle simultaneously enables Bluetooth compatibility for host system and up to 7 other Bluetooth devices |
| • PowerSave modes/Power switch | Both conserve battery life and extend uptime |

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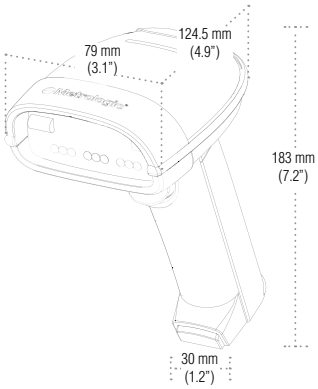
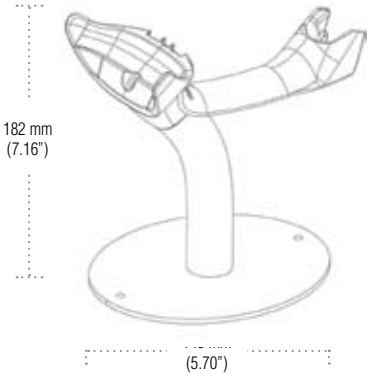
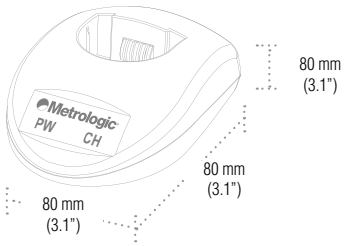



## OPERATIONAL

| | |
|---|---|
| Light Source | LED 645 nm + 7.5 nm |
| Decode Capability | Autodiscriminates all standard 1-D, RSS, PDF417, microPDF, MaxiCode, Data Matrix, QR Code, UCC, EAN Composites, Postals, Aztec |
| System Interfaces | Bluetooth v1.2 |
| Beeper Operation | 7 tones or no beep |
| Incicators (LED) | Blue Steady = unit powered, ready to scan, Bluetooth connected; White = good read; Yellow Steady = in stand<br>Battery Indicator: Blue = unit powered |

## MECHANICAL

| | |
|---|---|
| Height | 183 mm (7.2") |
| Depth | 124.5 mm (4.9") |
| Width | Handle: 30 mm (1.2"); Head: 79 mm (3.1") |
| Weight | 290 g (10.23 oz) |

## ELECTRICAL

| | |
|---|---|
| Input Voltage | 5 VDC < 1A |
| Recharge Time | 6 hours |
| Battery Capacity | 9,000 scans (average) |
| DC Transformers | Scanner: none; Base: Class 2; 5 VDC < 1A |
| Laser Class 1 | Class 1; IEC60825-1:1993/A1:1997+A2:2001<br>Class 1; EN60825-1:1994/A11:1996+A2:2001 |
| EMC | FCC Class A, IEC60825-1 LED Safety |

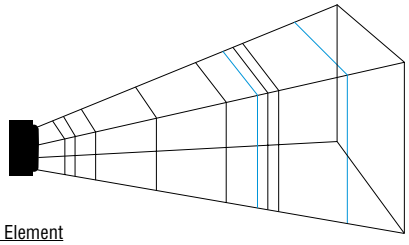
## ENVIRONMENTAL

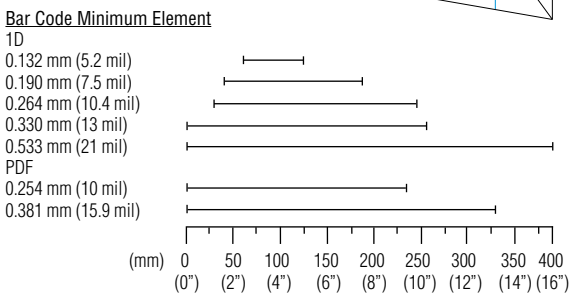
| | |
|---|---|
| Operating Temperature | 0°C to 40°C (32°F to 104°F) |
| Storage Temperature | -20°C to 50°C (-4°F to 120°F) |
| Humidity | 0% to 95% relative humidity, non-condensing |
| Light Levels | Up to 190,000 Lux (17,670 footcandles) |
| Shock | Designed to withstand 1.5 m (5') drops |

## SCAN PERFORMANCE

| | |
|---|---|
| Depth of Scan Field (programmable) | 0 mm - 254 mm (0" - 10") for 0.33 mm (13 mil) |
| Width of Scan Field | 49 mm W x 19 mm H (1.9" W x 0.8" H) @ 20 mm (0.8"); 264 mm W x 106 mm H (10.4" W x 4.2" H) @ 280 mm (11") |
| Scan Speed | 1120 scan lines per second |
| Minimum element width | 1D: 0.127 mm (5 mil); 2D: 0.254 mm (10 mil) |
| Resolution | 1280 x 512 |
| Print Contrast | 20% minimum reflectance difference |
| Pitch, Skew | 75°, 75° |

## *Scan Area*






| Product Colors Available | | |
|---|---|---|
| | Dark Grey | MS1633 is available in a variety of other colors with minimum quantity purchase. |

Revision: All

Sunrise 2005 Compliant

ISO 9001:2000

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CELEBRATING 40 YEARS of innovation

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